

Click !

MAINTENANCE OF THE SYSTEM

(Instructions for the owner)

1.a) Exchanging the fuse

The fuse is not present in the control units with power supplied only with battery, but is always present in the control units with a 220V AC power-supply.
Only specialized personnel can exchange the fuse.

- *Before exchanging the fuse turn the mains voltage of the system off using the valve.*
- *Lift the lid of the box containing the electronic control unit (only after that the system's mains voltage has been turned off).*

Normally, the electronic control unit is fixed to the box; only when the system is provided with a remote control the control unit is fixed on the frontal panel.

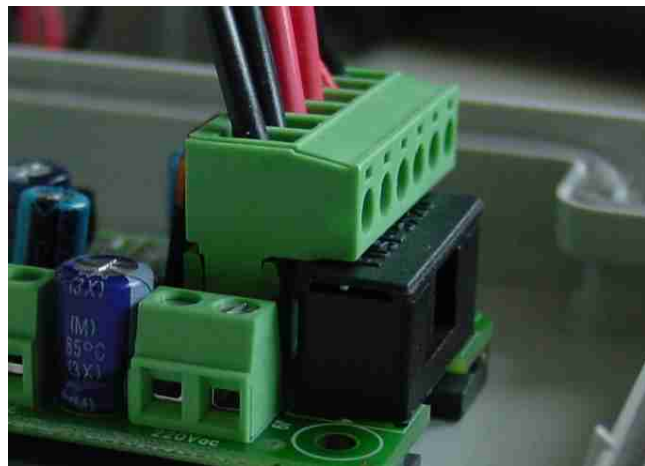
The fuse is placed under the connector that comes from the transformer and from the batteries, which supplies the control unit itself.

- *Remove the connector, pressing softly in order to release it from the plug fixed on the printed part. In that way, the fuse holder becomes accessible.*

- *Now, remove the fuse holder's lid and the fuse itself.*

Extract the fuse from its place and exchange it with a similar one:

250 Vac - 1 A - Fast (5 x 20)

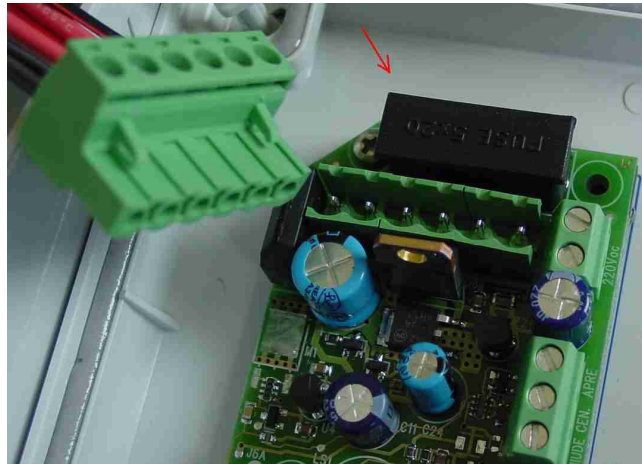


Fuse holder and power-supply connector

- Replace the lid with the fuse in its place.

- Insert now the connector, that was earlier taken away, in its plug and press softly until the connector is correctly inserted in the plug.

If the connector has correctly been inserted it will hold back when attempted to “disconnect”.



Fuse holder

Close the box containing the control unit, the transformer and the back-up batteries. Be extremely careful when closing the box, in order to protect its interior from water splashes and dust, which could prevent the control unit from a correct performance.



Lid of the fuse holder with inserted fuse

1.b) Exchanging the batteries

The exchange of the batteries, optional “back-up” in the mains voltage version or in the only-battery version, has to be done only by specialized personnel.

The batteries that have to be exchanged can be requested at FG specifying the model of the installed control unit. FG will make sure that the complete assembled package is delivered, with the connector necessary to the electrical connection.

- If the exchange of the batteries has to be made on a mains voltage system, before removing the existing battery package turn the electrical system’s mains voltage off using the valve.

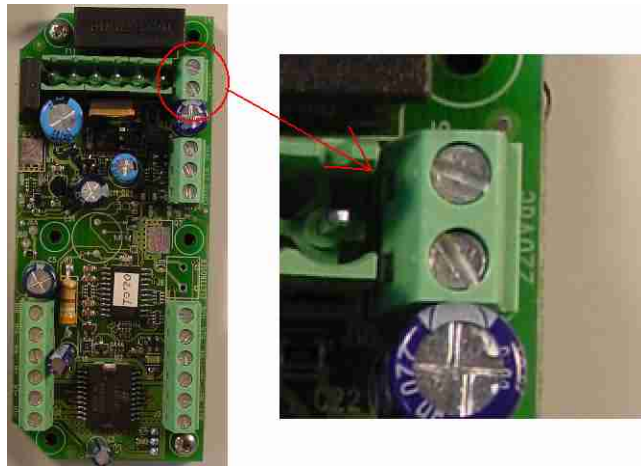
- Lift the lid of the box containing the electronic control unit. Remove the connector of the battery package pressing softly pressing softly in order to release it from the plug fixed on the printed part of the control unit.

- Unscrew the screws that are holding the battery holder, and extract it from the box. When operating a mains voltage system, remove, cutting it, the cable tie that is protecting the cable that contains the voltage from bursts.

Disconnect the mains cables from the control unit. Its connector, placed in the upper right part looking at the electronic card from the components' side, has two poles, and is marked with the serigraphy 220Vac.

- Insert the new holder with the new batteries, and fix it where the old one was, taking care that the fixing screws are well tightened.

- When operating a mains voltage system, pass the two mains cables, earlier removed from the connector, in the cable tie placed on the new battery holder, do not tighten the tie at this moment.



Electronic control unit with the highlighted network connector

- Open completely the screws fixing the network connector, insert completely and tighten the two connectors each one inside its housing, traction gently on each wire, in order to be sure that the fixing screws are correctly holding the wires, and check, at last, that no electrical contact is existing between the two conductors.

- Close and tighten the cable tie around the mains cables, and make sure that the cables are really held back from the tie itself.

- Insert the connector of the new battery/transformer package in its plug on the printed circuit, press gently until the connector is hooked in the plug.

If the connector has correctly been inserted it will hold back when attempted to “disconnect”.

- Close the box containing the control unit, the transformer and the back-up batteries.

Be extremely careful when closing the box, in order to protect its interior from water splashes and dust, which could prevent the control unit from a correct performance.



Battery/transformer package

5) Warnings and norms

**** The shutters' maximal dimensions that can be automated with Click! are:**

Width	0,60	m
Height	2,50	m
Weight	30	Kg

**** Fgmicrodesign doesn't guarantee the correct performance of the automatism if used to move bigger or heavier shutters.**

**** The provided automatism is not made to keep the weight of the casings, it has therefore only to be used for the shutters' motion transmission, see the instructions for the correct installation.**

**** The automatism is made to move shutters only in vertical position, do not use to automate shutters in any other position, neither to move anything else than shutters of a window. The installation of this automatism has to be made only by qualified personnel and respecting the national / international current norms.**

**** The installation of the system and, specially, fixing the shutters has to be made with extreme care by the installer.**

Fgmicrodesign is not responsible of damages caused by the disjunction, even when only partial, of one or both of the automated shutters or of damages caused by a wrong installation of the automatism.

**** The control unit is closed in a box, which is fixed in the wall; only personnel that is authorized and that can close it with accuracy can access it. It can only be accessed when the mains voltage is off.**

**** The CLICK! automation has been designed for a non continuous use, its electrical robustness is anyway allowing a continuous use for approximately 10 minutes (approximately 20 loops of complete closure/opening), and after this period of time it is necessary to let the automatism rest for at least 20 minutes.**

**** When disturbances are present which could prevent from the correct performance, or when unclear commands are received, like pushing both command buttons down at the same time, the control unit, for prevention, will block the performance of the automatism.**

When the disturbance is no longer there or when at least one button is released, it will be automatically reset.

**** Do not use the automatism during violent storms or strong winds, and when that is the case, close completely the shutters.**

**** Before operating the automatism make sure that nothing is preventing the shutters from moving, in particular make sure to have removed manual security systems, if installed.**

**** If the shutters are obstructed by snow or other material, remove it before using the automatism, the system is protected so it would not get damaged, but, for security reasons, the gearmotors are not strong enough to act as a “snowplough”.**

**** During the performance of the shutters do not oppose yourself or obstruct their motion, the electronic system is protected so it would not get damaged, but the mechanical system has a limited mechanical resistance, and therefore if obstructed with great power it will surely brake.**

**** During an electricity black out do not operate, if not necessary, the automatism, its run time, if there is no electricity, and with back-up batteries, is estimated to be 100 full openings and closures.**

**** Periodically, let a specialized technician control the level of the back-up batteries (if incorporated) because they deteriorate with the passing of time. It is anyway good to exchange them every 3 years; use the collection centrals for the disposal of the exchanged batteries.**

**** Exchanging any parts of the system which is not directly provided, and therefore approved by Fgmicrodesign, will have as a consequence the loss of the guarantee of the automation.**

6) Malfunctions and how to fix them

PROBLEM	CURE
The self-learning procedure is not starting and when pushing down the buttons the indicator lamp remains switched off	Check that the card is correctly powered. Make sure that, if it is a low voltage installation, the batteries are loaded and if not recharge them with the battery charger.
The self-learning procedure is not starting and when pushing down the buttons the indicator lamp flashes	Wait a few seconds and repeat the self-learning procedure, pushing completely down the buttons during the sequence and releasing them before pushing down the next one.
The self-learning procedure interrupts itself after that only one of the shutters has moved	Verify that the cables connecting the engines have been correctly connected. Repeat the self-learning procedure.
The self-learning procedure interrupts itself after that both shutters have only moved by a few degrees.	Verify that no obstacle is preventing the shutters from moving. Repeat the self-learning procedure. Do not push any buttons during the movement of the shutters.

Once the self-learning procedure is over the shutters are completely closed but the led continues to flash	The power-supply is insufficient. Verify that the batteries are loaded and that the mains voltage is correctly connected, check the presence and the integrity of the fuse, and reset it if necessary.
The shutters of the window do not close completely, or, if completely open, they flap against the wall.	Repeat the self-learning procedure.
The shutters of the window move much slower than normally	Verify the presence of the mains voltage, verify if the back-up battery is loaded, if included, and verify that no obstacles are preventing the shutters from moving.
The shutters of the window open much slower than normally until they stop completely	Verify that no obstacles are preventing the shutters from moving when they open, and remove them.
The shutters of the window close much slower than normally until they stop completely and reverse	Verify that no obstacles are preventing the shutters from moving when they close, and remove them.
When I randomly and rapidly push down the buttons the shutters stop and the indicator lamp remains switched on	Repeat the self-learning procedure. Try, anyway, to avoid this kind of behavior, because it is possible that the self-learning sequence has been pushed down and then the performance of the control unit is blocked.

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